

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/01415

A. CLASSIFICATION OF SUBJECT MATTER												
Int. Cl. ⁷ : G02B 6/00, F21V 8/00, F21S 11/00, F21S 8/00												
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols)												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: +light+ or collect+ or direct+ or redirect+ or deflect+ or captur+ or concentrat+ or gather+ or propagat+ or transfer+ or conduct+ or +guid+ or conduit+ or tube? or pipe? or coupl+ or cable? or fibre? or transmi+, (round+ or circular or circle? or loop? or annular or oval+ or curv+ or cylind+ or tub+ or ring+ or convex or concave or arc+ or spheric+ or funnel+ or bent or concentric or circumferen+ or radius or column or sleeve or rod?) and (flat+ or plane or planar or sheet+ or rectang+ or plate? or panel?), /ic F21V-008 or F21S-011 or F21S-008 or G02B-006 or E04D-013 or G02B-007 or F24J, transparent or translucent or transmi+ or clear or (see (W) through) or ((internal+ or total+) (W) (reflect+)), area or surface or (cross (W) section+) or dimension? or width? or profile or shape or diameter? or aperture?, sun or solar or day or natural, fluorescen+ or luminesc+ or convert+												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	US 6272265 B1 (FRANKLIN) 7 August 2001 Abstract, Figures 3, 5, 7 (middle part) and 8, column 1, lines 5-20, column 2, lines 10-64, column 8, lines 16-38	1-33										
X	US 4612144 A (TANIGUCHI) 16 September 1986 Abstract, Figures 1, 3, 5-7B, column 1, lines 6-49, column 2, lines 23-43, column 3, line 12 - column 4, line 10, column 5, lines 3-27, Claims 1, 3-8	1-23, 30-33										
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex												
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family											
"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 19 November 2003		Date of mailing of the international search report 5 - DEC 2003										
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer RAJEEV DESHMUKH Telephone No : (02) 6283 2145										

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4991918 A (OWEN et al.) 12 February 1991 Abstract, Figures 1-7B, column 1, line 5 - column 2, line 26, column 3, line 27 - column 4, line 15	1-23, 30-33
X	US 4688884 A (SCIFRES et al.) 25 August 1987 Abstract, Figures 1-4, column 1, line 5 - column 2, line 68, column 3, lines 44-59	1-8, 10-13, 15-17, 19, 21- 22, 29, 30-33
X	US 2002/0031300 A1 (JIE et al.) 14 March 2002 Abstract, Figures 1, 11-12, paragraphis 8, 10, 12 and 59	1-3, 10, 12- 13, 15-17, 19, 21, 22, 30-33
X	US 4650279 A (MAGEE) 17 March 1987 Abstract, Figures 1, 3-4, column 2, lines 1-3 and 30 - 33, column 3, lines 4-47, claims 2, 4-5	1-4, 7, 12-13, 32-33
X	US 5832150 A (FLINT) 3 November 1998 Abstract, Figures 1, 4-10 and 13-14, column 1, lines 21-30, column 2, lines 5-67	1-3, 7-8, 10, 12-13, 15-17, 19, 21-22, 30- 33

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	6272265	AU	31602/97	EP	0907866	WO	9748946
US	4612144	EP	0123263	JP	59192535		
US	4991918						
US	4688884						
US	20020031300						
US	4650279						
US	5832150	AU	27488/97	AU	58270/98	EP	0958519
		US	5734766	US	5771324	WO	9742533
		WO	9834148				
END OF ANNEX							